

Lehmann & Voss LUVOCOM[®] 1/GF/20/TF/10/SI/2/NC Polyamide 66, with glass fiber, PTFE, lubricant modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber/PTFE Filled

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. Strong, stiff parts. Bearings, sleeves, sliding elements, control disks, gear wheels, duty parts in switches. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1GF20TF10SI2NC-Polyamide-66-with-glass-fiber-PTFE-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	150 MPa	21800 psi	
Elongation at Yield	3.0 %	3.0 %	
	4.0 %	4.0 %	flexural
Modulus of Elasticity	7.00 GPa	1020 ksi	
Flexural Strength	225 MPa	32600 psi	
Flexural Modulus	6.50 GPa	943 ksi	
Coefficient of Friction, Dynamic	0.13	0.13	
Coefficient of Friction, Static	0.11	0.11	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 Â°C	194 Â°F	
	150 Â°C	302 Â°F	short term
Vicat Softening Point	250 Â°C	482 Â°F	DIN ISO 306
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
Insulation Resistance	$\geq 1.00 \times 10^{12}$ ohm	$\geq 1.00 \times 10^{12}$ ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	290 Â°C	554 Â°F	mass temp
Nozzle Temperature	280 - 300 Â°C	536 - 572 Â°F	
Zone 1	290 - 310 Â°C	554 - 590 Â°F	
Zone 2	290 - 310 Â°C	554 - 590 Â°F	
Zone 3	290 - 310 Â°C	554 - 590 Â°F	
Mold Temperature	90.0 - 120 Â°C	194 - 248 Â°F	
Drying Temperature	75.0 Â°C @Time 21600 - 57600 sec	167 Â°F @Time 6.00 - 16.0 hour	Dehumidifying dryer
	105 Â°C @Time 14400 - 21600 sec	221 Â°F @Time 4.00 - 6.00 hour	Vacuum Dryer

Descriptive Properties	Value	Comments
Color	natural color	

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